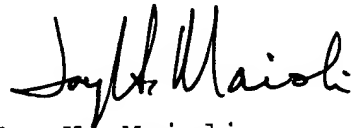Claims 1-13 remain in the application and have been amended hereby.

As will be noted from the Declaration, Applicants are citizens and residents of Japan and this application originated there.

Accordingly, the amendments made to the specification are provided to place the application in idiomatic English, and the claims are amended to place them in better condition for examination.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE
IN THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract by rewriting same to read as follows.

[To provide a] A wireless transmitting method and a wireless transmitter capable of performing efficient wireless transmission depending on the length of asynchronous information[. The wirelss transmitting method for] involves forming a wireless network using a plurality of communicating devices to carry out asynchronous transmission of information [comprises] and includes the steps of building a monopayload packet [46] having one of predetermined information units [(units)] of the information as a data payload, building a multipayload packet [40] having a plurality of predetermined information units [(units)] of the information as a data payload, and carrying out the asynchronous transmission by wireless packet obtained by optionally combining the monopayload packet [46] with the multipayload packet [40] depending on the length of the information to be asynchronously transmitted by wireless. Therefore, it is possible to carry out efficient asynchronous wireless transmission.

IN THE CLAIMS

Please amend claims 1-13 by rewriting same to read as follows.

--1. (Amended) A wireless transmitting method for forming a wireless network using a plurality of communicating devices[,] to carry out asynchronous transmission of information [characterized by]. the method comprising the steps of

building a monopayload packet having one of predetermined information units of the information as a data payload,

constituting a multipayload packet having a plurality of predetermined information units of the information as a data

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payload, and

carrying out the asynchronous transmission by wireless packet obtained by [optionally] combining the monopayload packet with the multipayload packet depending on [the] a length of the information to be asynchronously transmitted by wireless.

--2. (Amended) The wireless transmitting method according to claim 1, [characterized in that] further comprising the step of adding a predetermined preamble [is added] to form a wireless packet to each packet of the monopayload packet to form a wireless packet or to the multipayload packet to form a wireless packet.

--3. (Amended) The wireless transmitting method according to claim 1, [characterized in that] further comprising the steps of adding common header information [is added] to the monopayload packet and the multipayload packet and decoding the header information [is decoded] to make [the] a state of succeeding data payload packets decidable by a communicating station of destination.

--4. (Amended) The wireless transmitting method according to claim 1, [characterized in that the] further comprising the step of describing a number of predetermined information units included in the multipayload packet [is described] as common header information in the multipayload packet so that the number of continuous information units [can be] is specified.

--5. (Amended) The wireless transmitting method according to claim 1, [characterized in that] further comprising the step of adding a sequence number [added] to the monopayload packet and obtaining the multipayload packet [is obtained] by adding the number for each increase in the information unit included in the

packet.

--6. (Amended) The wireless transmitting method according
to claim 1, [characterized in that] further comprising the steps
of adding an error detection code or an error correction code [is
added] to the monopayload packet and the multipayload packet by
said information unit for transmission, [and] whereby
retransmission is required for each information unit having an
error.

--7. (Amended) A wireless transmitting method for carrying
out information transmission between a plurality of communication
stations, [characterized by] the method comprising the steps of
        carrying out wireless transmission control by an access
control signal sent from a control station, and
        transmitting said access control signal utilizing a
wireless packet with only common header information and having no
data payload portion.

--8. (Amended) The wireless transmitting method according
to claim 7, [characterized] further comprising the step of adding
in that a predetermined preamble [is added] to each packet to
form a wireless packet and the wireless transmission is carried
out utilizing the packet.

--9. (Amended) A wireless transmitter for forming a wireless
network to carry out asynchronous transmission of information by
using a plurality of communicating devices [characterized by],
the transmitter comprising
        dividing means for dividing asynchronous information to
be transmitted by wireless into corresponding information units,
        monopayload packet building means for building a monopayload
packet having one of predetermined information units as a data

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payload,

multipayload packet building means for building a multipayload packet having a plurality of predetermined information units as a data payload,

header adding means for adding header information describing [the] a type of payload packet to the monopayload packet and to the multipayload packet, and

wireless packet building means for building a wireless packet by [optionally] combining the monopayload packet with the multipayload packet depending on [the] a length of the asynchronous
information to be transmitted by wireless,

[and in that] whereby the asynchronous transmission is carried out by the wireless packet.

--10. (Amended) The wireless transmitter according to claim 9, [characterized by] further comprising:

preamble adding means for adding a predetermined preamble to the monopayload packet and multipayload packet, and

access control means for carrying out wireless transmission control using the preamble information by an access control signal sent from a control station,

[and in that] whereby the wireless packet is transmitted by wireless using the access control means.

11. (Amended) The wireless transmitter according to claim 9, [characterized by] further comprising

receiving means for receiving an access control signal sent from a control device of the wireless network,

access control signal decoding means for decoding the access control signal, and

deciding means for deciding that the relevant access control signal is for [his] its own station,

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[and in that] <u>whereby</u> the wireless transmission of the
wireless packet is started using the deciding means.

--12. (Amended) A wireless transmitter for forming a
wireless
network to carry out asynchronous transmission of information by
using a plurality of communicating devices [characterized by]<u>,</u>
<u>the transmitter</u> comprising<u>:</u>
    receiving means for receiving a predetermined preamble,
    header decoding means for decoding header information added
to the <u>predetermined</u> preamble,
    header analyzing means for deciding whether [or not] there
is succeeding payload portions after the header information and
[the] <u>for deciding a</u> type of payload based on the header
information, and
    payload decoding means for decoding the payload portion as
asynchronous information.

--13. (Amended) A wireless transmitter for forming a
wireless network to carry out asynchronous transmission of
information by using a plurality of' communicating devices,
[characterized by] <u>the transmitter</u> comprising<u>:</u>
    header building means for building header information based
on an access control signal sent from a control station for
carrying out wireless transmission control by the access control
signal,
    access control packet building means for adding a
predetermined preamble to the head information to build an access
control packet, and
    carrier detecting means for detecting information
transmitted on a wireless transmission path,
    [and in that] <u>whereby</u> the access control packet is
transmitted depending on [the] <u>a</u> state of the wireless

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transmission path.